

Title (en)  
BOEHMITE STRUCTURE AND METHOD FOR PRODUCING SAME

Title (de)  
BOHMITSTRUKTUR UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)  
STRUCTURE DE BOHMITITE ET SON PROCÉDÉ DE PRODUCTION

Publication  
**EP 3974386 A4 20220727 (EN)**

Application  
**EP 20810497 A 20200417**

Priority  
• JP 2019094630 A 20190520  
• JP 2019197102 A 20191030  
• JP 2020016932 W 20200417

Abstract (en)  
[origin: EP3974386A1] A boehmite structure (1) includes a plurality of boehmite particles (2) where adjacent boehmite particles (2) are bonded to each other. The boehmite structure (1) has a porosity of 30% or less. A method of producing a boehmite structure includes obtaining a mixture by mixing hydraulic alumina with a solvent including water, and pressurizing and heating the mixture under a condition of a pressure of 10 to 600 MPa and a temperature of 50 to 300 °C.

IPC 8 full level  
**C01F 7/025** (2022.01); **C01F 7/448** (2022.01); **C01F 7/441** (2022.01); **C04B 28/06** (2006.01); **C04B 35/10** (2006.01); **C04B 35/111** (2006.01); **C04B 38/00** (2006.01)

CPC (source: EP US)  
**C01F 7/025** (2013.01 - EP); **C01F 7/441** (2013.01 - EP); **C01F 7/448** (2013.01 - US); **C04B 28/005** (2013.01 - EP); **C04B 35/10** (2013.01 - EP); **C04B 35/111** (2013.01 - EP); **C04B 38/00** (2013.01 - EP); **C01P 2002/30** (2013.01 - US); **C01P 2002/70** (2013.01 - US); **C01P 2002/72** (2013.01 - EP); **C01P 2004/03** (2013.01 - EP); **C01P 2004/61** (2013.01 - US); **C01P 2006/14** (2013.01 - EP); **C01P 2006/16** (2013.01 - EP US); **C01P 2006/60** (2013.01 - EP US); **C04B 2111/20** (2013.01 - EP); **C04B 2111/28** (2013.01 - EP); **C04B 2111/40** (2013.01 - EP); **C04B 2235/3218** (2013.01 - EP); **C04B 2235/77** (2013.01 - EP)

C-Set (source: EP)  
1. **C04B 28/005 + C04B 22/06 + C04B 40/0259 + C04B 40/0263**  
2. **C04B 38/00 + C04B 35/10 + C04B 35/111 + C04B 38/0074**

Citation (search report)  
No further relevant documents disclosed

Cited by  
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Designated extension state (EPC)  
BA ME

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**EP 3974386 A1 20220330; EP 3974386 A4 20220727**; CN 113840804 A 20211224; CN 113840804 B 20240524; JP 7289109 B2 20230609; JP WO2020235277 A1 20201126; US 2022212943 A1 20220707; WO 2020235277 A1 20201126

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**EP 20810497 A 20200417**; CN 202080037214 A 20200417; JP 2020016932 W 20200417; JP 2021520660 A 20200417; US 202017612264 A 20200417